

LIDER LPS-1P-WWP

LIDER Motion Sensor Switch LPS-1P-WWP Instruction Manual

Model: LPS-1P-WWP

1. INTRODUCTION

The LIDER Motion Sensor Switch LPS-1P-WWP is designed to automatically control lighting based on occupancy or vacancy in a room. Utilizing Passive Infrared (PIR) technology, it detects motion to provide hands-free lighting, enhancing convenience and promoting energy savings. This switch is suitable for single-pole applications and does not require a neutral wire for installation.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Improper installation can result in serious injury or death.

- Always turn off power at the circuit breaker or fuse box before installation, servicing, or removing the switch.
- Ensure all wiring connections are secure and comply with local electrical codes.
- This device is for indoor use only.
- Do not use with loads exceeding specified ratings.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- The LIDER Motion Sensor Switch LPS-1P-WWP is UL Listed, ensuring compliance with safety standards.

3. PACKAGE CONTENTS

- 1 x LIDER Motion Sensor Switch (LPS-1P-WWP)
- 1 x LIDER Wall Plate (LWP-31M-W)
- Installation Screws

4. SPECIFICATIONS

Model	LPS-1P-WWP
Voltage	120VAC, 60 Hz
Load Capacity	300W Tungsten, 150W LED/CFL
Sensor Type	Passive Infrared (PIR)
Field of View	180 degrees
Coverage Area	Up to 1200 sq ft (max)
Wiring	Single-pole only, No neutral wire required
Operating Temperature	32-104°F (0-40°C)
Certifications	UL Listed

5. INSTALLATION

Follow these steps carefully to install your LIDER Motion Sensor Switch:

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the light switch you are replacing. Turn off the power completely to avoid electrical shock. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Unscrew and carefully pull the old switch from the wall box. Disconnect the wires from the old switch.
3. **Identify Wires:** You should have three wires:
 - **LINE Wire:** Carries power from the circuit breaker.
 - **LOAD Wire:** Carries power to the light fixture.
 - **GROUND Wire:** Bare copper or green insulated wire.

Note: This switch does not require a neutral wire.

4. **Wire the New Switch:** Connect the wires from the wall box to the LIDER Motion Sensor Switch as follows:
 - Connect the LINE wire to the terminal labeled 'LINE' on the switch.
 - Connect the LOAD wire to the terminal labeled 'LOAD' on the switch.
 - Connect the GROUND wire to the green ground screw on the switch.

Ensure all wire connections are tight and secure.

5. **Mount the Switch:** Carefully push the wired switch back into the wall box. Secure it with the provided screws.
6. **Attach Wall Plate:** Snap the included LIDER wall plate onto the switch.
7. **Restore Power:** Turn the power back on at the circuit breaker. The switch will require 1-2 minutes to warm up after installation.



Figure 1: Front view of the LIDER Motion Sensor Switch, white in color, installed in a standard wall plate.

6. OPERATING INSTRUCTIONS

The LIDER Motion Sensor Switch offers two operating modes: Occupancy and Vacancy. The mode can be selected using the OCC/VAC switch located under the face of the device.

6.1. Occupancy Sensor Mode (Auto ON, Auto OFF)

In this mode, the lights will automatically turn ON when motion is detected and automatically turn OFF after a set time delay when no motion is detected. This mode is ideal for high-traffic areas where hands-free operation is desired, such as hallways, bathrooms, or utility rooms.

6.2. Vacancy Sensor Mode (Manual ON, Auto OFF)

In this mode, the lights must be turned ON manually by pressing the switch button. They will then automatically turn OFF after a set time delay when no motion is detected. This mode is suitable for areas where manual control over initial light activation is preferred, such as bedrooms or offices, while still benefiting from automatic turn-off for energy savings.



Figure 2: The LIDER Motion Sensor Switch installed on a wall in a bathroom, showing the small LED locator light illuminated, indicating its presence in low light conditions.

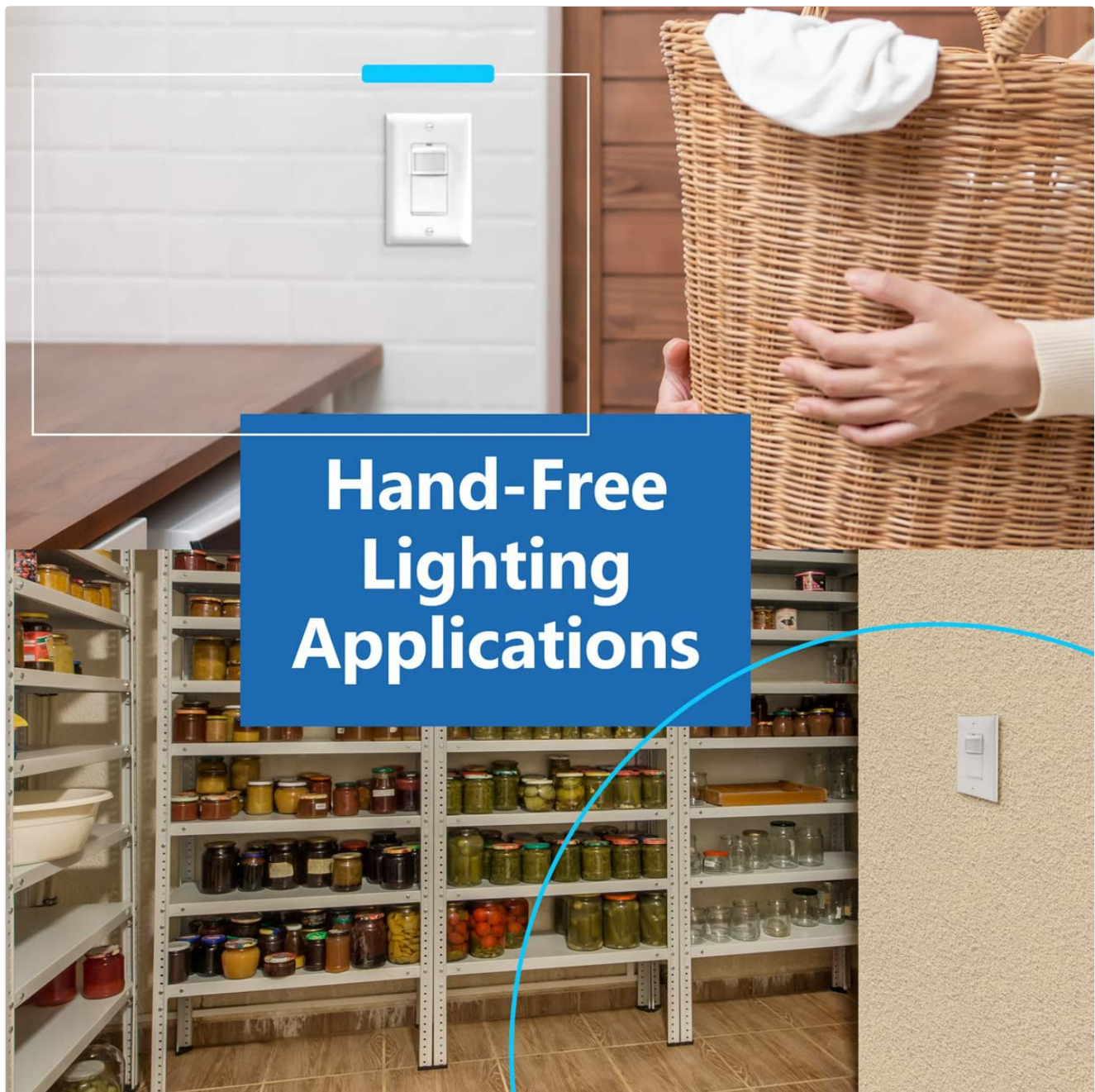


Figure 3: Two scenes depicting the LIDER Motion Sensor Switch in use: one in a pantry with shelves of jars, and another in a laundry room, highlighting the convenience of hands-free lighting.

7. ADJUSTING SETTINGS

The sensor range and time delay settings can be adjusted to customize the switch's performance. These adjustments are made using dials located under the switch's faceplate.

1. **Access Settings:** Carefully remove the outer wall plate, then gently pry off the switch's face cover to reveal the adjustment dials.
2. **Adjust Sensor Range:** The 'RANGE' dial allows you to set the motion detection sensitivity. Options typically include 25%, 50%, 75%, and 100%. Adjust this based on the size of the room and desired detection area.
3. **Adjust Time Delay:** The 'TIME' dial sets how long the lights remain ON after the last detected motion. Available options are 15 seconds (Test mode), 5 minutes, 10 minutes, 20 minutes, and 30 minutes. The 15-second 'Test' mode is useful for verifying sensor operation after installation.
4. **Reassemble:** Once settings are adjusted, snap the face cover back onto the switch, then reattach the wall plate.

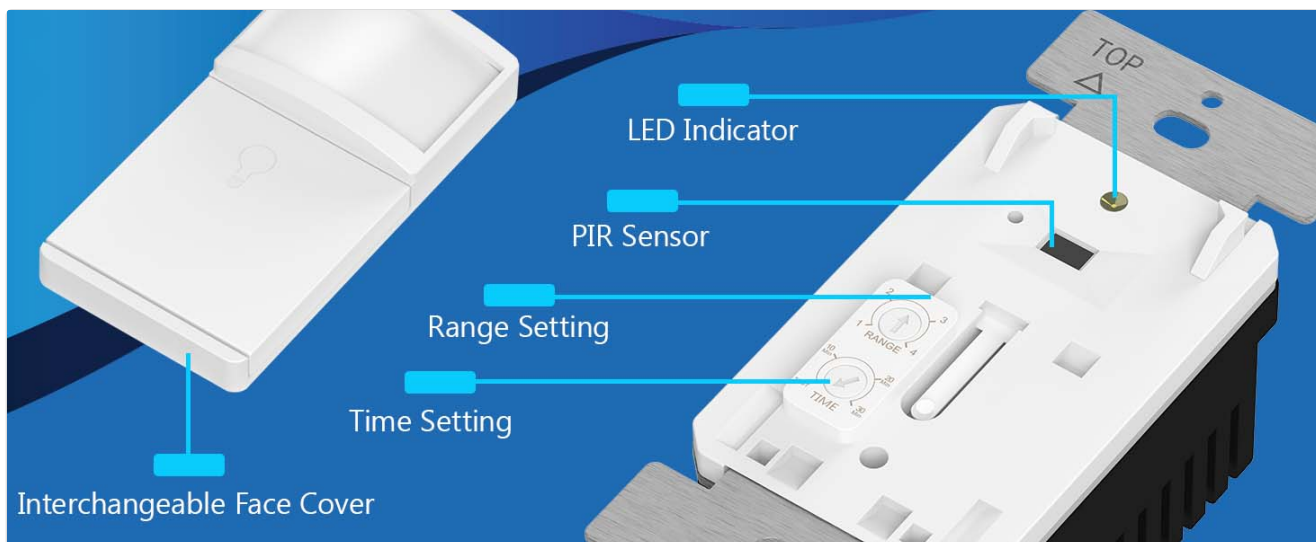


Figure 4: A detailed diagram highlighting the key components of the LIDER Motion Sensor Switch, including the LED indicator, PIR sensor, range setting dial, time setting dial, and the interchangeable face cover.



Figure 5: An internal view of the LIDER Motion Sensor Switch, illustrating the dials for adjusting sensor range and time delay, accessible by removing the faceplate.

8. TROUBLESHOOTING

If you experience issues with your LIDER Motion Sensor Switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn ON automatically.	- Power is off. - Incorrect wiring. - Bulb is faulty or incompatible. - Sensor obstructed. - Switch in Vacancy Mode.	- Check circuit breaker. - Verify wiring connections. - Replace bulb; ensure it's compatible (LED/CFL up to 150W, Tungsten up to 300W). - Clear any obstructions from the sensor's view. - Switch to Occupancy Mode if automatic ON is desired.
Lights do not turn OFF.	- Constant motion detected. - Time delay set too long. - Sensor sensitivity too high. - Heat sources or air currents causing false triggers.	- Ensure no continuous motion within sensor's field of view. - Adjust time delay to a shorter duration. - Reduce sensor range setting. - Relocate switch or eliminate sources of false triggers (e.g., HVAC vents, direct sunlight).
Lights are too sensitive or not sensitive enough.	Sensor range setting is incorrect.	Adjust the 'RANGE' dial under the faceplate to increase or decrease sensitivity.

9. MAINTENANCE

The LIDER Motion Sensor Switch requires minimal maintenance. To clean the device, ensure power is turned off at the circuit breaker. Use a soft, damp cloth to wipe the surface. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.

10. WARRANTY AND SUPPORT

10.1. Warranty

This LIDER Motion Sensor Switch LPS-1P-WWP is covered by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, abuse, or unauthorized modifications.

10.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact LIDER customer service. You can find contact information and additional resources by visiting the official LIDER store or website:

[Visit the LIDER Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question